

Title (en)

EXTERNAL ELECTRONIC PATCH FOR ACCELERATING BONE HEALING OR REGENERATION AFTER TRAUMA

Title (de)

EXTERNES ELEKTRONISCHES PFLASTER ZUR BESCHLEUNIGUNG DER KNOCHENHEILUNG ODER -REGENERATION NACH TRAUMA

Title (fr)

TIMBRE ÉLECTRONIQUE EXTERNE POUR ACCÉLÉRER LA GUÉRISON OU LA RÉGÉNÉRATION OSSEUSE APRÈS UN TRAUMATISME

Publication

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Application

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Abstract (en)

The present invention relates to an electronic patch for stimulating tissue healing at a target site inside a cylindrical body part, suitably sized to wrap at least partly around the body part, with a first part of the patch on one side of the body part, and a second part of the patch on another side of the body part, the patch comprising: a) a battery or an arrangement of multiple batteries; b) a first coil located in the first part of the patch, and a second coil in the second part of the patch; and c) a controller, powered by the battery or batteries, configured in a first mode of operation to pass a known current with known pulse shape and width through the first coil, producing an electromagnetic field at the target site, and to measure an emf voltage induced in the second coil by the current passing through the first coil.

IPC 8 full level

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Citation (search report)

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- [Y] EP 1059965 A1 20001220 - AMEI TECHNOLOGIES INC [US]
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